



457692

ECOLOGY AND ENVIRONMENT, INC. - CHICAGO
ON-SITE SAFETY LOG

Name: Marble Cliff Quarries Dump
Date: _____

PAN #/Job #: F0408435B
Weather: _____

	Equipment (Circle All Used)	ID#	Calibration/ Operation Check	Initials and Date	Background Readings	On-Site Readings
1.	OVA HNU Photovac Tip	<u>A</u>	<u>-</u>	<u>JK 6/12/90</u>	<u>0 PPM</u>	<u>0 PPM</u>
2.	O ₂ Meter Explosimeter Combo Meter	<u>D</u>	<u>ALARM @ 20% LEL O₂ 19%</u>	<u>JK 6/12/90</u>	<u>0% LEL 20% O₂</u>	<u>0% LEL 20% O₂</u>
3.	Rad-Mini Monitor 4	<u>B</u>	<u>-</u>	<u>JK 6/12/90</u>	<u>14/MIN.</u>	<u>10/MIN</u>
4.	HCN Draeger Monitox	<u>D</u>	<u>ALARM @ 10 PPM</u>	<u>JK 6/12/90</u>	<u>0 PPM</u>	<u>0 PPM</u>
5.	Other:					

Attendees At Site: EARLYWINE, KOLB, DANZER, ULSER, HACKLER

Protective Clothing Worn: STEEL TOED BOOTS, LATEX BOOTIES, TYVEK SUITS, VITON GLOVES,
LATEX GLOVES, HARD HATS, APR'S IF NECESSARY

Comments on Monitoring or Protective Clothing: _____

Team Leader RANDY EARLYWINE

Site Safety Officer JERYL KOLB

Randy Earlywine 6-12-90
Signature/Date
Jeryl Kolb 6/12/90
Signature/Date

Please submit original to Paul Moss, and a copy to the project file.

HAZARD TRAINING

Date 6-12-90

The Federal Mine Safety and Health Act of 1977 requires that all persons other than employees of the company, who perform a service or delivery at the plant site must have training in HAZARD RECOGNITION AND AVOIDANCE.

Randy Earlywine (Name) an employee of Ecology and Env. Inc. (Employer)
has entered the plant site for the purpose of performing A screening site inspection
at the M C Q plant
of American Aggregates Corporation, American Materials Corporation, Mine Identification Number 33-00097

You will be required to read and comply with the safety rules and procedures contained in this program while you are on the plant site. You will also be required to sign the following certification of training after you have read all of the rules and procedures.

INSTRUCTIONS AND PROCEDURES ON TRAFFIC RULES

1. Truck traffic and occasionally heavy equipment will be encountered from the office to the area you are visiting. (Drive to the right, using normal or standard traffic patterns. All service roads are of sufficient size to accommodate two-way traffic. Give right of way to loaded vehicles and heavy equipment. Use safe speed—not excessive, and keep your vehicle under control at all times—loaded trucks may pull out from between stockpiles. Do not follow other vehicles too closely. Do not throw objects out of your vehicles, place trash in receptacles.)
2. Heavy mobile equipment may be encountered in the vicinity of the maintenance shop. (When approaching heavy mobile equipment being operated, stop or remain well clear until you are certain that the operator has seen your vehicle.)
3. **QUARRIES ONLY.** Explosives and blasting caps are transported in the quarry in vehicles plainly marked "EXPLOSIVES" and you may encounter this vehicle. (Remain a safe distance away from this vehicle or at least two hundred feet. Do not operate two way radios.)
4. Spilling-falling material may be encountered when driving under a bin or conveyor at the processing plant. (Remain in your vehicle when under any portion of the plant. You may avoid this hazard by driving around the plant.)
5. Heavy mobile equipment operates from the pit area to the processing plant over special haul roads, and may use a non-standard traffic pattern. (You are not allowed on those haul roads, unless you are escorted by a representative of the company and have been specially instructed.)
6. Parking your vehicle in an unauthorized area or in an unsafe manner can create a hazard for others. (Do not park directly behind or on the blind side of any equipment. Set your parking brake and shut off your engine. Assure that your vehicle will not roll.)
7. You will observe and obey all traffic control signs or devices while traveling on the plant property.

OTHER INFORMATION OR PROCEDURES

1. First aid equipment such as first aid kit, stretcher, and blankets are located at the shop. The plant office or shop is available to call for outside aid if required. All plants have excellent emergency services available to them.
2. Fire extinguishers are located in all mobile equipment, trucks, cars, shops, offices, and throughout the plant. These fire extinguishers are checked periodically to remain in good condition, however, if you have occasion to use an extinguisher, then report it to a supervisor as needing service.
3. Any emergency, hazard, imminent danger, unusual condition or incident should be reported immediately to a supervisor.

HAZARD RECOGNITION AND AVOIDANCE

All persons performing services at this plant may encounter certain hazards while performing those services. By law, we must inform you of those hazards. The following list identifies the hazard, and the procedures to be utilized.

HAZARD (Procedures to be utilized are in parenthesis)

1. You may encounter hazards which could **cause injury to your head, eyes, and other parts of the body**. (Industrial approved personal protective equipment such as hard hats, safety glasses, safety shoes (or other approved toe protection) must be worn while performing any service at this plant. If necessary, plant management may require you to wear additional personal protective equipment.)
2. You may encounter **fire or explosion** hazards. (Do not smoke or use any flame producing devices around any storage of gasoline, fuel, lubricants, compressed gasses, explosives, or other flammable or combustible substances. Most areas are posted.)
3. You may encounter **blasting** hazards. (Be alert and remain clear of the blasting area.)
4. You may encounter **ground control or highwall** hazards. (Do not attempt to work on any equipment where unsafe ground conditions or highwalls exist—have equipment moved or towed to a safe location. Do not attempt to step too close to a pit edge or any highwall. You must wear a life preserver when working or being transported over water.)
5. You may encounter **electrical** hazards. (Do not attempt to work around any energized electrical service or power line. Do not run over electrical power cables lying on the ground.)
6. You may encounter **tripping and falling** hazards. (Exercise care when getting in and out of your vehicle. Make sure the area in which you are to work has been cleared of obstacles, or exercise care when stepping over or around obstacles.)
7. You may encounter **welding flash burns to the eye** hazards. (Avoid areas where welding operations are being conducted, and do not look at the flash.)
8. **Railroad crossings**. (Stop at all plant railroad crossings and look both directions before proceeding across.)
9. You may encounter **injury from lifting** hazards. (Use correct lifting procedures to avoid injury, and enlist aid in lifting heavy objects.)
10. You may encounter **improper tool use** hazards. (Always select and use the proper tools or accessories to do the job and avoid injury.)
11. You may encounter **fumes from welding or exhaust from engine** hazards. (Avoid areas or prolonged stays in areas where welding fumes or engine exhausts are generated.)
12. You may encounter **moving machinery** hazards. (Be alert and remain clear of moving machinery. Do not work around any moving machine or perform work on any machine that has not been stopped, and blocked to make it safe from movement. If the machine is powered by electricity then the electrical power source should be off and locked.)